

C1
~~Suit~~
~~Conc~~
a) contacting said sample with a probe, wherein said probe comprises nucleic acid corresponding to HIV-2 RNA;

b) washing the resulting hybrid; and

c) detecting said hybrid.

43. The method of claim 42, wherein said ^{probe} nucleic acid comprises cDNA.

44. The method of claim 42, wherein said nucleic acid comprises the following sequence:

20 GTGGAAGGCGAGACTGAAAGCAAGAGGAATACCATTTAGTTAAAGGACAG
GAACAGCTATACTTGGTCAGGGCAGGAAGTAACTAACAGAAACAGCTGAG
ACTGCAGGGACTTTCCAGAAGGGGCTGTAACCAAGGGAGGGACATGGGAG
GAGCTGGTGGGGAACGCCTCATATTCTCTGTATAATATACCCGCTGCTTG
CATTGTACTTCAGTGGCTCTGCCGAGAGGCTGGCAGATTGAGCCCTGGAG
25 GATCTCTCCAGCACTAGACGGATGAGCCTGGGTGCCCTGCTAGACTCTCA
CCAGCACTTGGCCGGTGCTGGCAGACGGCCCCACGCTTGCTGCTTAAAA
ACCTTCCTTAATAAAGCTGCAGTAGAAGCA

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C2

45. The method of claim 42, wherein said nucleic acid comprises a nucleotide sequence coding for the following amino acid sequence: GAGGODN

5 MetGlyAlaArgAsnSerValLeuArgGlyLysLysAlaAspGlu
LeuGluArgIleArgLeuArgProGlyGlyLysLysLysTyrArg
10 LeuLysHisIleValTrpAlaAlaAsnLysLeuAspArgPheGly
100 LeuAlaGluSerLeuLeuGluSerLysGluGlyCysGlnLysIle
LeuThrValLeuAspProMetValProThrGlySerGluAsnLeu
15 200 LysSerLeuPheAsnThrValCysValIleTrpCysIleHisAla
GluGluLysValLysAspThrGluGlyAlaLysGlnIleValArg
300 ArgHisLeuValAlaGluThrGlyThrAlaGluLysMetProSer
20 ThrSerArgProThrAlaProSerSerGluLysGlyGlyAsnTyr
400 ProValGlnHisValGlyGlyAsnTyrThrHisIleProLeuSer
25 ProArgThrLeuAsnAlaTrpValLysLeuValGluGluLysLys
PheGlyAlaGluValValProGlyPheGlnAlaLeuSerGluGly
300 CysThrProTyrAspIleAsnGlnMetLeuAsnCysValGlyAsp
30 HisGlnAlaAlaMetGlnIleIleArgGluIleIleAsnGluGlu
600 AlaAlaGluTrpAspValGlnHisProIleProGlyProLeuPro
35 AlaGlyGlnLeuArgGluProArgGlySerAspIleAlaGlyThr
700 ThrSerThrValGluGluGlnIleGlnTrpMetPheArgProGln

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C2

B1

AsnProValProValGlyAsnIleTyrArgArgTrpIleGlnIle

800

GlyLeuGlnLysCysValArgMetTyrAsnProThrAsnIleLeu

AspIleLysGlnGlyProLysGluProPheGlnSerTyrValAsp

900

ArgPheTyrLysSerLeuArgAlaGluGlnThrAspProAlaVal

LysAsnTrpMetThrGlnThrLeuLeuValGlnAsnAlaAsnPro

AspCysLysLeuValLeuLysGlyLeuGlyMetAsnProThrLeu

1000

GluGluMetLeuThrAlaCysGlnGlyValGlyGlyProGlyGln

LysAlaArgLeuMetAlaGluAlaLeuLysGluValIleGlyPro

1100

AlaProIleProPheAlaAlaAlaGlnGlnArgLysAlaPheLys

CysTrpAsnCysGlyLysGluGlyHisSerAlaArgGlnCysArg

1200

AlaProArgArgGlnGlyCysTrpLysCysGlyLysProGlyHis

IleMetThrAsnCysProAspArgGlnAlaGlyPheLeuGlyLeu

1300

GlyProTrpGlyLysLysProArgAsnPheProValAlaGlnVal

ProGlnGlyLeuThrProThrAlaProProValAspProAlaVal

AspLeuLeuGluLysTyrMetGlnGlnGlyLysArgGlnArgGlu

1400

GlnArgGluArgProTyrLysGluValThrGluAspLeuLeuHis

LeuGluGlnGlyGluThrProTyrArgGluProProThrGluAsp

1500

LeuLeuHisLeuAsnSerLeuPheGlyLysAspGln

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46. The method of claim 42, wherein said nucleic acid comprises a nucleotide sequence coding for the following amino acid sequence:

B1

5 ArgLysAlaPheLys
CysTrpAsnCysGlyLysGluGlyHisSerAlaArgGlnCysArg
1200
AlaProArgArgGlnGlyCysTrpLysCysGlyLysProGlyHis
10 IleMetThrAsnCysProAspArgGlnAlaGlyPheLeuGlyLeu
1300
GlyProTrpGlyLysLysProArgAsnPheProValAlaGlnVal
15 ProGlnGlyLeuThrProThrAlaProProValAspProAlaVal
AspLeuLeuGluLysTyrMetGlnGlnGlyLysArgGlnArgGlu
1400
GlnArgGluArgProTyrLysGluValThrGluAspLeuLeuHis
20 LeuGluGlnGlyGluThrProTyrArgGluProProThrGluAsp
1500
LeuLeuHisLeuAsnSerLeuPheGlyLysAspGln

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47. The method of claim 42, wherein said nucleic acid comprises a nucleotide sequence coding for the following amino acid sequence:

B

MetGlyAlaArgAsnSerValLeuArgGlyLysLysAlaAspGlu
5
LeuGluArgIleArgLeuArgProGlyGlyLysLysLysTyrArg
LeuLysHisIleValTrpAlaAlaAsnLysLeuAspArgPheGly
100
10 LeuAlaGluSerLeuLeuGluSerLysGluGlyCysGlnLysIle
LeuThrValLeuAspProMetValProThrGlySerGluAsnLeu
200
15 LysSerLeuPheAsnThrValCysValIleTrpCysIleHisAla
GluGluLysValLysAspThrGluGlyAlaLysGlnIleValArg
300
20 ArgHisLeuValAlaGluThrGlyThrAlaGluLysMetProSer
ThrSerArgProThrAlaProSerSerGluLysGlyGlyAsnTyr
400

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48. The method of claim 42, wherein said nucleic acid comprises a nucleotide sequence coding for the following amino acid sequence:

B

5 ProValGlnHisValGlyGlyAsnTyrThrHisIleProLeuSer
ProArgThrLeuAsnAlaTrpValLysLeuValGluGluLysLys
PheGlyAlaGluValValProGlyPheGlnAlaLeuSerGluGly
500
10 CysThrProTyrAspIleAsnGlnMetLeuAsnCysValGlyAsp
HisGlnAlaAlaMetGlnIleIleArgGlnIleIleAsnGluGln
600
15 AlaAlaGluTrpAspValGlnHisProIleProGlyProLeuPro
AlaGlyGlnLeuArgGluProArgGlySerAspIleAlaGlyThr
700
20 ThrSerThrValGluGluGlnIleGlnTrpMetPheArgProGln
AsnProValProValGlyAsnIleTyrArgArgTrpIleGlnIle
800
GlyLeuGlnLysCysValArgMetTyrAsnProThrAsnIleLeu
AspIleLysGlnGlyProLysGluProPheGlnSerTyrValAsp
25 900
ArgPheTyrLysSerLeuArgAlaGluGlnThrAspProAlaVal
LysAsnTrpMetThrGlnThrLeuLeuValGlnAsnAlaAsnPro
30 AspCysLysLeuValLeuLysGlyLeuGlyMetAsnProThrLeu
1000
GluGluMetLeuThrAlaCysGlnGlyValGlyGlyProGlyGln
LysAlaArgLeuMetAlaGlnAlaLeuLysGluValIleGlyPro
35 1100
AlaProIleProPheAlaAlaAlaGlnGln

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49. The method of claim 42, wherein said nucleic acid comprises a nucleotide sequence coding for the following amino acid sequence: ENVR

5

MetMetAsnGlnLeuLeuIleAlaIleLeuLeuAlaSerAlaCys

LeuValTyrCysThrGlnTyrValThrValPheTyrGlyValPro

10

ThrTrpLysAsnAlaThrIleProLeuPheCysAlaThrArgAsn

100

ArgAspThrTrpGlyThrIleGlnCysLeuProAspAspAsp

TyrGlnGluIleThrLeuAsnValThrGluAlaPheAspAlaTrp

15

200

AsnAsnThrValThrGluGlnAlaIleGluAspValTrpHisLeu

PheGluThrSerIleLysProCysValLysLeuThrProLeuCys

20

300

ValAlaMetLysCysSerSerThrGluSerSerThrGlyAsnAsn

ThrThrSerLysSerThrSerThrThrThrThrThrProThrAsp

400

GlnGluGlnGluIleSerGluAspThrProCysAlaArgAlaAsp

25

AsnCysSerGlyLeuGlyGluGluGluThrIleAsnCysGlnPhe

AsnMetThrGlyLeuGluArgAspLysLysLysGlnTyrAsnGlu

500

30

ThrTrpTyrSerLysAspValValCysGluThrAsnAspSerThr

AsnGlnThrGlnCysTyrMetAsnHisCysAsnThrSerValIle

600

ThrGluSerCysAspLysHisTyrTrpAspAlaIleArgPheArg

35

TyrCysAlaProProGlyTyrAlaLeuLeuArgCysAsnAspThr

700

AsnTyrSerGlyPheAlaProAsnCysSerLysValValAlaSer

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C2
 B
 ThrCysThrArgMetMetGluThrGlnThrSerThrTrpPheGly
 800
 PheAsnGlyThrArgAlaGluAsnArgThrTyrIleTyrTrpHis
 GlyArgAspAsnArgThrIleIleSerLeuAsnLysTyrTyrAsn
 900
 LeuSerLeuHisCysLysArgProGlyAsnLysThrValLysGln
 IleMetLeuMetSerGlyHisValPheHisSerHisTyrGlnPro
 IleAsnLysArgProArgGlnAlaTrpCysTrpPheLysGlyLys
 1000
 TrpLysAspAlaMetGlnGluValLysThrLeuAlaLysHisPro
 ArgTyrArgGlyThrAsnAspThrArgAsnIleSerPheAlaAla
 1100
 ProGlyLysGlySerAspProGluValAlaTyrMetTrpThrAsn
 CysArgGlyGluPheLeuTyrCysAsnMetThrTrpPheLeuAsn
 1200
 TrpIleGluAsnLysThrHisArgAsnTyrAlaProCysHisIle
 LysGlnIleIleAsnThrTrpHisLysValGlyArgAsnValTyr
 1300
 LeuProProArgGluGlyGluLeuSerCysAsnSerThrValThr
 SerIleIleAlaAsnIleAspTrpGlnAsnAsnAsnGlnThrAsn
 IleThrPheSerAlaGluValAlaGluLeuTyrArgLeuGluLeu
 1400
 GlyAspTyrLysLeuValGluIleThrProIleGlyPheAlaPro

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ThrLysGluLysArgTyrSerSerAlaHisGlyArgHisThrArg

1500

GlyValPheValLeuGlyPheLeuGlyPheLeuAlaThrAlaGly

SerAlaMetGlyAlaArgAlaSerLeuThrValSerAlaGlnSer

1600

ArgThrLeuLeuAlaGlyIleValGlnGlnGlnGlnGlnLeuLeu

AspValValLysArgGlnGlnGluLeuLeuArgLeuThrValTrp

1700

GlyThrLysAsnLeuGlnAlaArgValThrAlaIleGluLysTyr

LeuGlnAspGlnAlaArgLeuAsnSerTrpGlyCysAlaPheArg

1800

GlnValCysHisThrThrValProTrpValAsnAspSerLeuAla

ProAspTrpAspAsnMetThrTrpGlnGluTrpGluLysGlnVal

ArgTyrLeuGluAlaAsnIleSerLysSerLeuGluGlnAlaGln

1900

IleGlnGlnGluLysAsnMetTyrGluLeuGlnLysLeuAsnSer

TrpAspIlePheGlyAsnTrpPheAspLeuThrSerTrpValLys

2000

TyrIleGlnTyrGlyValLeuIleIleValAlaValIleAlaLeu

ArgIleValIleTyrValValGlnMetLeuSerArgLeuArgLys

2100

GlyTyrArgProValPheSerSerProProGlyTyrIleGlnGln

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C2
 B
 IleEisIleEisLysAspArgGlyGlnProAlaAsnGluGluThr
 GluGluAspGlyGlySerAsnGlyGlyAspArgTyrTrpProTrp 2200
 ProIleAlaTyrIleHisPheLeuIleArgGlnLeuIleArgLeu
 LeuThrArgLeuTyrSerIleCysArgAspLeuLeuSerArgSer
 2300
 PheLeuThrLeuGlnLeuIleTyrGlnAsnLeuArgAspTrpLeu
 ArgLeuArgThrAlaPheLeuGlnTyrGlyCysGluTrpIleGln
 2400
 GluAlaPheGlnAlaAlaAlaArgAlaThrArgGluThrLeuAla
 GlyAlaCysArgGlyLeuTrpArgValLeuGluArgIleGlyArg
 2500
 GlyIleLeuAlaValProArgArgIleArgGlnGlyAlaGluIle
 AlaLeuLeu***GlyThrAlaValSerAlaGlyArgLeuTyrGlu
 2600
 TyrSerMetGluGlyProSerSerArgLysGlyGluLysPheVal
 GlnAlaThrLysTyrGly

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50. The method of any one of claims 42-49, wherein said nucleic acid comprises ~~recombinant~~ nucleic acid.

51. The method of claim 50, wherein said recombinant nucleic acid is labelled.

Sub C3
52. A method of producing a hybridization probe for HIV-2 RNA, said method comprising:

- a) recombinantly synthesizing a cloning vector, wherein said vector comprises nucleic acid corresponding to HIV-2 RNA;
- b) cloning said vector in a competent cellular host;
- and
- c) recovering the DNA-recombinants.

D *B*
53. The method of claim 52, wherein said ~~nucleic acid~~ ^{probe} comprises cDNA.

Sub C4
54. The method of claim 52, wherein said nucleic acid comprises the following sequence:

GTGGAAGGCGAGACTGAAAGCAAGAGGAATACCATTTAGTTAAAGGACAG
20 GAACAGCTATACTTGGTCAGGGCAGGAAGTAACTAACAGAAACAGCTGAG
ACTGCAGGGACTTTCCAGAAGGGGCTGTAACCAAGGGAGGGACATGGGAG
GAGCTGGTGGGGAACGCCCTCATATTCCTCTGTATAATATACCCGCTGCTTG
CATTGTACTTCAGTCGCTCTGCCGAGAGGCTGGCAGATTGAGCCCTGGAG
GATCTCTCCAGCACTAGACGGATGAGCCTGGGTGCCCTGCTAGACTCTCA
25 CCAGCACTTGGCCGGTGCTGGCAGACGGCCCCACGCTTGCCCTGCTTAAAA
ACCTTCCTTAATAAAGCTGCAGTAGAAGCA

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C4

55. The method of claim 52, wherein said nucleic acid comprises a nucleotide sequence coding for the following amino acid sequence: GAGRODN

B

5 MetGlyAlaArgAsnSerValLeuArgGlyLysLysAlaAspGlu
LeuGluArgIleArgLeuArgProGlyGlyLysLysLysTyrArg
10 LeuLysHisIleValTrpAlaAlaAsnLysLeuAspArgPheGly
100
LeuAlaGluSerLeuLeuGluSerLysGluGlyCysGlnLysIle
LeuThrValLeuAspProMetValProThrGlySerGluAsnLeu
15 200
LysSerLeuPheAsnThrValCysValIleTrpCysIleHisAla
GluGluLysValLysAspThrGluGlyAlaLysGlnIleValArg
300
20 ArgHisLeuValAlaGluThrGlyThrAlaGluLysMetProSer
ThrSerArgProThrAlaProSerSerGluLysGlyGlyAsnTyr
400
25 ProValGlnHisValGlyGlyAsnTyrThrHisIleProLeuSer
ProArgThrLeuAsnAlaTrpValLysLeuValGluGluLysLys
PheGlyAlaGluValValProGlyPheGlnAlaLeuSerGluGly
500
30 CysThrProTyrAspIleAsnGlnMetLeuAsnCysValGlyAsp
HisGlnAlaAlaMetGlnIleIleArgGluIleIleAsnGluGlu
600
35 AlaAlaGluTrpAspValGlnHisProIleProGlyProLeuPro
AlaGlyGlnLeuArgGluProArgGlySerAspIleAlaGlyThr
700
ThrSerThrValGluGluGlnIleGlnTrpMetPheArgProGln

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AsnProValProValGlyAsnIleTyrArgArgTrpIleGlnIle
 GlyLeuGlnLysCysValArgMetTyrAsnProThrAsnIleLeu
 AspIleLysGlnGlyProLysGluProPheGlnSerTyrValAsp
 ArgPheTyrLysSerLeuArgAlaGluGlnThrAspProAlaVal
 LysAsnTrpMetThrGlnThrLeuLeuValGlnAsnAlaAsnPro
 AspCysLysLeuValLeuLysGlyLeuGlyMetAsnProThrLeu
 GluGluMetLeuThrAlaCysGlnGlyValGlyGlyProGlyGln
 LysAlaArgLeuMetAlaGluAlaLeuLysGluValIleGlyPro
 AlaProIleProPheAlaAlaAlaGlnGlnArgLysAlaPheLys
 CysTrpAsnCysGlyLysGluGlyHisSerAlaArgGlnCysArg
 AlaProArgArgGlnGlyCysTrpLysCysGlyLysProGlyHis
 IleMetThrAsnCysProAspArgGlnAlaGlyPheLeuGlyLeu
 GlyProTrpGlyLysLysProArgAsnPheProValAlaGlnVal
 ProGlnGlyLeuThrProThrAlaProProValAspProAlaVal
 AspLeuLeuGluLysTyrMetGlnGlnGlyLysArgGlnArgGlu
 GlnArgGluArgProTyrLysGluValThrGluAspLeuLeuHis
 LeuGluGlnGlyGluThrProTyrArgGluProProThrGluAsp
 LeuLeuHisLeuAsnSerLeuPheGlyLysAspGln

800

900

1000

1100

1200

1300

1400

1500

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56. The method of claim 52, wherein said nucleic acid comprises a nucleotide sequence coding for the following amino acid sequence:

5 ArgLysAlaPheLys
CysTrpAsnCysGlyLysGluGlyHisSerAlaArgGlnCysArg
1200
AlaProArgArgGlnGlyCysTrpLysCysGlyLysProGlyHis
10 IleMetThrAsnCysProAspArgGlnAlaGlyPheLeuGlyLeu
1300
GlyProTrpGlyLysLysProArgAsnPheProValAlaGlnVal
ProGlnGlyLeuThrProThrAlaProProValAspProAlaVal
15 AspLeuLeuGluLysTyrMetGlnGlnGlyLysArgGlnArgGlu
1400
GlnArgGluArgProTyrLysGluValThrGluAspLeuLeuHis
20 LeuGluGlnGlyGluThrProTyrArgGluProProThrGluAsp
1500
LeuLeuHisLeuAsnSerLeuPheGlyLysAspGln

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57. The method of claim 52, wherein said nucleic acid comprises a nucleotide sequence coding for the following amino acid sequence:

B

MetGlyAlaArgAsnSerValLeuArgGlyLysLysAlaAspGlu
5
LeuGluArgIleArgLeuArgProGlyGlyLysLysLysTyrArg
LeuLysHisIleValTrpAlaAlaAsnLysLeuAspArgPheGly
100
10 LeuAlaGluSerLeuLeuGluSerLysGluGlyCysGlnLysIle
LeuThrValLeuAspProMetValProThrGlySerGluAsnLeu
200
15 LysSerLeuPheAsnThrValCysValIleTrpCysIleHisAla
GluGluLysValLysAspThrGluGlyAlaLysGlnIleValArg
300
ArgHisLeuValAlaGluThrGlyThrAlaGluLysMetProSer
20 ThrSerArgProThrAlaProSerSerGluLysGlyGlyAsnTyr
400

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58. The method of claim 52, wherein said nucleic acid comprises a nucleotide sequence coding for the following amino acid sequence:

B

5 ProValGlnHisValGlyGlyAsnTyrThrHisIleProLeuSer
ProArgThrLeuAsnAlaTrpValLysLeuValGluGluLysLys
PheGlyAlaGluValValProGlyPheGlnAlaLeuSerGluGly
500
10 CysThrProTyrAspIleAsnGlnMetLeuAsnCysValGlyAsp
HisGlnAlaAlaMetGlnIleIleArgGluIleIleAsnGluGlu
600
15 AlaAlaGluTrpAspValGlnHisProIleProGlyProLeuPro
AlaGlyGlnLeuArgGluProArgGlySerAspIleAlaGlyThr
700
20 ThrSerThrValGluGlnGlnIleGlnTrpMetPheArgProGln
AsnProValProValGlyAsnIleTyrArgArgTrpIleGlnIle
800
25 GlyLeuGlnLysCysValArgMetTyrAsnProThrAsnIleLeu
AspIleLysGlnGlyProLysGluProPheGlnSerTyrValAsp
900
30 ArgPheTyrLysSerLeuArgAlaGluGlnThrAspProAlaVal
LysAsnTrpMetThrGlnThrLeuLeuValGlnAsnAlaAsnPro
1000
35 AspCysLysLeuValLeuLysGlyLeuGlyMetAsnProThrLeu
GluGluMetLeuThrAlaCysGlnGlyValGlyGlyProGlyGln
1100
AlaProIleProPheAlaAlaAlaGlnGln

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59. The method of claim 52, wherein said nucleic acid comprises a nucleotide sequence coding for the following amino acid sequence: ENVERN

5

MetMetAsnGlnLeuLeuIleAlaIleLeuLeuAlaSerAlaCys

LeuValTyrCysThrGlnTyrValThrValPheTyrGlyValPro

10

ThrTrpLysAsnAlaThrIleProLeuPheCysAlaThrArgAsn

100

ArgAspThrTrpGlyThrIleGlnCysLeuProAspAsnAspAsp

TyrGlnGluIleThrLeuAsnValThrGluAlaPheAspAlaTrp

15

200

AsnAsnThrValThrGluGlnAlaIleGluAspValTrpHisLeu

PheGluThrSerIleLysProCysValLysLeuThrProLeuCys

20

300

ValAlaMetLysCysSerSerThrGluSerSerThrGlyAsnAsn

ThrThrSerLysSerThrSerThrThrThrThrThrProThrAsp

400

GlnGluGlnGluIleSerGluAspThrProCysAlaArgAlaAsp

25

AsnCysSerGlyLeuGlyGluGluGluThrIleAsnCysGlnPhe

AsnMetThrGlyLeuGluArgAspLysLysLysGlnTyrAsnGlu

500

30

ThrTrpTyrSerLysAspValValCysGluThrAsnAsnSerThr

AsnGlnThrGlnCysTyrMetAsnHisCysAsnThrSerValIle

600

ThrGluSerCysAspLysHisTyrTrpAspAlaIleArgPheArg

35

TyrCysAlaProProGlyTyrAlaLeuLeuArgCysAsnAspThr

700

AsnTyrSerGlyPheAlaProAsnCysSerLysValValAlaSer

B

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ThrCysThrArgMetMetGluThrGlnThrSerThrTrpPheGly
 PheAsnGlyThrArgAlaGluAsnArgThrTyrIleTyrTrpHis
 GlyArgAspAsnArgThrIleIleSerLeuAsnLysTyrTyrAsn
 LeuSerLeuHisCysLysArgProGlyAsnLysThrValLysGln
 IleMetLeuMetSerGlyHisValPheHisSerHisTyrGlnPro
 IleAsnLysArgProArgGlnAlaTrpCysTrpPheLysGlyLys
 TrpLysAspAlaMetGlnGluValLysThrLeuAlaLysHisPro
 ArgTyrArgGlyThrAsnAspThrArgAsnIleSerPheAlaAla
 ProGlyLysGlySerAspProGluValAlaTyrMetTrpThrAsn
 CysArgGlyGluPheLeuTyrCysAsnMetThrTrpPheLeuAsn
 TrpIleGluAsnLysThrHisArgAsnTyrAlaProCysHisIle
 LysGlnIleIleAsnThrTrpHisLysValGlyArgAsnValTyr
 LeuProProArgGluGlyGluLeuSerCysAsnSerThrValThr
 SerIleIleAlaAsnIleAspTrpGlnAsnAsnAsnGlnThrAsn
 IleThrPheSerAlaGluValAlaGluLeuTyrArgLeuGluLeu
 GlyAspTyrLysLeuValGluIleThrProIleGlyPheAlaPro

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 202-408-4000

et

B

ThrLysGluLysArgTyrSerSerAlaHisGlyArgHisThrArg

1500

GlyValPheValLeuGlyPheLeuGlyPheLeuAlaThrAlaGly

SerAlaMetGlyAlaArgAlaSerLeuThrValSerAlaGlnSer

1600

ArgThrLeuLeuAlaGlyIleValGlnGlnGlnGlnGlnLeuLeu

AspValValLysArgGlnGlnGluLeuLeuArgLeuThrValTrp

1700

GlyThrLysAsnLeuGlnAlaArgValThrAlaIleGluLysTyr

LeuGlnAspGlnAlaArgLeuAspSerTrpGlyCysAlaPheArg

1800

GlnValCysHisThrThrValProTrpValAsnAspSerLeuAla

ProAspTrpAspAsnMetThrTrpGlnGluTrpGluLysGlnVal

ArgTyrLeuGluAlaAsnIleSerLysSerLeuGluGlnAlaGln

1900

IleGlnGlnGluLysAsnMetTyrGluLeuGlnLysLeuAsnSer

TrpAspIlePheGlyAsnTrpPheAspLeuThrSerTrpValLys

2000

TyrIleGlnTyrGlyValLeuIleIleValAlaValIleAlaLeu

ArgIleValIleTyrValValGlnMetLeuSerArgLeuArgLys

2100

GlyTyrArgProValPheSerSerProProGlyTyrIleGlnGln

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FINNEGAN, HENDERSON,
FARABOW, GARRETT
& DUNNER, L.L.P.
1300 I STREET, N. W.
WASHINGTON, DC 20005
202-408-4000

Cf
 B
 IleEisIleEisLysAspArgGlyGlnProAlaAsnGluGluThr
 GluGluAspGlyGlySerAsnGlyGlyAspArgTyrTrpProTrp 2200
 ProIleAlaTyrIleHisPheLeuIleArgGlnLeuIleArgLeu
 LeuThrArgLeuTyrSerIleCysArgAspLeuLeuSerArgSer
 2300
 PheLeuThrLeuGlnLeuIleTyrGlnAsnLeuArgAspTrpLeu
 ArgLeuArgThrAlaPheLeuGlnTyrGlyCysGluTrpIleGln
 2400
 GluAlaPheGlnAlaAlaAlaArgAlaThrArgGluThrLeuAla
 GlyAlaCysArgGlyLeuTrpArgValLeuGluArgIleGlyArg
 2500
 GlyIleLeuAlaValProArgArgIleArgGlnGlyAlaGluIle
 AlaLeuLeu***GlyThrAlaValSerAlaGlyArgLeuTyrGlu
 2600
 TyrSerMetGluGlyProSerSerArgLysGlyGluLysPheVal
 GlnAlaThrLysTyrGly

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 FARABOW, GARRETT
 & DUNNER, L.L.P.
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 202-408-4000